

5/30/2018

Print



Dart Hawkesbury  
1270 Aberdeen St Hawkesbury, ON K6A 1K7 Canada  
Tel (613) 632-5200

## Purchasing Receipts

PO No	Supplier	Line Item No	Rel No	Terms	Purchased Item	Description	For Part No	Project	Equipment ID	Order Qty	Due Date	Received Quantity	Accounting Job No	Container No	Status	Receive Date	Price/Unit	Aging Days	Past Due	To
PO039984	MCM001-VU	1	1	2% 10 Net 30	MT-BRASS-C360-R1.500	Brass C360 Round Bar 1.500"				12	5/29/2018	12		S076584	Stock	5/30/2018	\$ 46.56 / ft	0		\$551
Total:										12		12								\$551

Plex 5/30/2018 3:41 PM Dart.Dubois.Pascal



Dart Aerospace Ltd.  
1270 Aberdeen St  
Hawkesbury, ON  
K6A 1K7  
Canada

Tel (613) 632-5200

# **PURCHASE ORDER** **PO039984**

**Supplier:** MCM001-VU  
McMaster-Carr Supply Co,  
P.O. Box 7690  
Chicago, IL 60680-7690 USA  
Phone: 330 995 5500  
Fax: 330 995 9600

**PO No:** PO039984

**PO Date:** 5/24/18

**Due Date:** 5/29/18

**Purchase Order**

**Revision:**

**Revision Date:**

**Ship-To Contact:** Lavoie, Chantal  
clavoie@dartaero.com

**Ship To:** 1270 Aberdeen Street  
Hawkesbury  
ON  
K6A 1K7 Canada  
Phone: 613-632-5200

**Via:** Ground

**Pynt Terms:** 2% 10 Net 30

**Freight Terms:**

**Special Comments:**

**E-MAILED**  
**MAY 24 2018**

Items										
Line Item	Part	Supplier Part No	Description	Status	Due Date	Order Quantity	Received Quantity	Balance	Unit Price (USD)	Extended Price
1	MT-BRASS-C360-R1.500	2572T63 6 ft long	Brass C360 Round Bar 1.500"	Firmed	5/29/18	12 ft	0 ft	12 ft	\$46.55667/ft	\$558.68
2	8547K45	6 ft long	Tube ALT. P/N 8547K893 receive ea	Firmed	5/29/18	60 ft	0 ft	60 ft	\$34.25/ft	\$2,055.00
3	88805K74		6063 Aluminum 90° Angle, 1/8" Wall Thickness, 1/2" High x 1/2" Wide	Firmed	5/29/18	16 ft	0 ft	16 ft	\$1.36125/ft	\$21.78
4	1095K41	10/pk	Zerk	Firmed	5/29/18	10 Ea	0 Ea	10 Ea	\$0.352/Ea	\$3.52
5	95229A460	100/pk	Washer receive pcs	Firmed	5/29/18	100 pcs	0 pcs	100 pcs	\$0.0665/pcs	\$6.65
6	MDELINB0.750X3.000W	8739K45	M Delrin Bar, White : MATERIAL: DELRIN II 150E OR ACETRON GP ACETAL receive ft	Firmed	5/29/18	4 ft	0 ft	4 ft	\$24.16/ft	\$96.64
7	1897A59		Handle	Firmed	5/29/18	4 Ea	0 Ea	4 Ea	\$4.56/Ea	\$18.24
8	90107A029	100/pk	Flat Washer	Firmed	5/29/18	100 Ea	0 Ea	100 Ea	\$0.0825/Ea	\$8.25
9	90128A265	100/pk	Socket Head Cap Screw	Firmed	5/29/18	100 Ea	0 Ea	100 Ea	\$0.1322/Ea	\$13.22
10	9559K41	10/pk	O-Ring	Firmed	5/29/18	30 Ea	0 Ea	30 Ea	\$1.268/Ea	\$38.04
11	97524A032	100/pk	Sealing Blind Rivet receive ea	Firmed	5/29/18	200 Ea	0 Ea	200 Ea	\$0.0982/Ea	\$19.64
12	98002A202	10/pk	Binding Post	Firmed	5/29/18	10 Ea	0 Ea	10 Ea	\$0.415/Ea	\$4.15

**DAS**  
**11**  
**9-89**

Items										
Line Item	Part	Supplier Part No	Description	Status	Due Date	Order Quantity	Received Quantity	Balance	Unit Price (USD)	Extended Price
13	98380A473	10/pk	Dowel Pin	Firmed	5/29/18	20 Ea	✓ 25x 0 Ea	20 Ea	\$0.837/Ea	\$16.74
14	98381A510	50/pk	Pin	Firmed	5/29/18	50 Ea	✓ 50x 0 Ea	50 Ea	\$0.214/Ea	\$10.70
15	99908A102	50/pk	Flande Locknut, Steel	Firmed	5/29/18	50 Ea	✓ 50x 0 Ea	50 Ea	\$0.2526/Ea	\$12.63
16	C10-35	90576A118 50/pk	Cage Bumper Nut	Firmed	5/29/18	50 pcs	✓ 50x 0 pcs	50 pcs	\$0.1828/pcs	\$9.14
17	MT-O1-R0.750	8893K19 6 FT long	Tool Steel Round Bar 0.750 dia. receive ft	Firmed	5/29/18	18 ft	✓ 18x 0 ft	18 ft	\$5.98/ft	\$107.64
18	RBT18561-31	8485T13	10X Magna-Lite	Firmed	5/29/18	6 Ea	✓ 6x 0 Ea	6 Ea	\$26.29/Ea	\$157.74
19	D2484P	91343A100 10/pk	Lock Nut	Firmed	5/29/18	50 pcs	✓ 50x 0 pcs	50 pcs	\$0.363/pcs	\$18.15
20	12335A13	10 ft long	Edge Grip	Firmed	5/29/18	10 Ea	✓ 10x 0 Ea	10 Ea	\$2.43/Ea	\$24.30
21	8695K712		Polyurethane Rod 3/8 Dia., 48" Long, 80A (HARD)	Firmed	5/29/18	4 ft	✓ 4ft 0 ft	4 ft	\$10.035/ft	\$40.14
Grand Total:										\$3,240.99
Order Notes										
Procurement Quality Clauses A005 RIGHT OF ENTRY A016 PERSONNEL QUALIFICATION A026 CERTIFICATION OF MATERIAL CONFORMANCE A032 DOCUMENT SPECIAL REQUIREMENTS A033 STATEMENT OF CONFORMITY/TEST RECORDS FOR NAS, AN and MS FASTENERS A040 NOTIFICATION OF QUALITY ESCAPE A041 QUALITY MANAGEMENT SYSTEM A042 DART NOTIFICATION BY SUPPLIER A043 RETENTION OF QUALITY DOCUMENTS  A048 COUNTERFEIT PARTS AVOIDANCE, DETECTION, MITIGATION AND DISPOSITION PROGRAM  A049 SUPPLIER AWARENESS										
Terms & Condition of Purchasing(Suppliers) and Procurement Quality Clauses are an integral part of our AS9100 requirements. To learn in detail, please visit <a href="http://www.dartaerospace.com">www.dartaerospace.com</a> for further explanation.										

Plex 5/24/18 2:48 PM dart.lavoie.chantal



200 Aurora Industrial Pkwy  
Aurora OH 44202-8087  
330-995-5500  
cle.sales@mcmaster.com

Dart Aerospace Ltd  
1270 Aberdeen St  
Hawkesbury ON K6A 1K7  
Canada

Purchase Order  
**PO039984**

Order Placed By  
**Chantal Lavoie**

McMaster-Carr Number  
**4088649-04**

Page 1 of 2

05/29/2018

Line	Product	Ordered	Shipped
1	<b>2572T63</b> Ultra-Machinable 360 Brass Rod with Certification, 1-1/2" Diameter, 6 Feet Long	2 Each	2

Shipped separately from our Cleveland warehouse on 05/24

3	<b>88805K74</b> Architectural 6063 Aluminum 90 Degree Angle, 1/8" Wall Thickness, 1/2" High x 1/2" Wide, 8 Feet Long	2 Each	2
4	<b>1095K41</b> Zinc-Plated Steel Grease Fitting, Straight, 1/4"-28 SAE-LT Male, 35/64" Overall Length	1 Pack	1
5	<b>95229A460</b> Cadmium-Plated Steel MIL. Spec. Washer for 5/16" Screw Size, NAS 1149-F0563P	1 Pack	1
6	<b>8739K45</b> White Delrin Acetal Resin Oversized Bar, 3/4" Thick, 3" Wide, 4' Length	4 Feet	4
7	<b>1897A59</b> Oval Grip Pull Handle with Threaded Holes, Aluminum, 4-9/16" Center-to-Center Width	4 Each	4
8	<b>90107A029</b> 316 Stainless Steel Washer for 1/4" Screw Size, 0.281" ID, 0.625" OD	1 Pack	1
9	<b>90128A265</b> Zinc-Plated Alloy Steel Socket Head Screw, M6 x 1 mm Thread, 25 mm Long	1 Pack	1
10	<b>9559K41</b> Ultra-Chemical-Resistant Rigid PTFE O-Ring, 1/8 Fractional Width, Dash Number 219	3 Packs	3
11	<b>97524A032</b> Sealing Blind Rivets, Aluminum, Domed Head, with Aluminum Mandrel, 1/8" Diameter, 0.425" Long	2 Packs	2
12	<b>98002A202</b> Steel Binding Barrels and Screws, 10-24 Thread Size, for 3/8"-1/2" Material Thickness	1 Pack	1
13	<b>98380A473</b> 416 Stainless Steel Dowel Pins, 1/8" Diameter, 3/4" Long	1 Pack	1
14	<b>98381A510</b> Dowel Pin, Alloy Steel, 3/16" Diameter, 1" Long	1 Pack	1

# Packing List

200 Aurora Industrial Pkwy  
Aurora OH 44202-8087  
330-995-5500  
cle.sales@mcmaster.com

Dart Aerospace Ltd  
1270 Aberdeen St  
Hawkesbury ON K6A 1K7  
Canada

Purchase Order  
**PO039984**

Order Placed By  
**Chantal Lavoie**

McMaster-Carr Number  
**4088649-04**

Page 2 of 2

05/29/2018

Line	Description	Ordered	Shipped
15	<b>99908A102</b> High-Strength Steel Nylon-Insert Flange Locknut, Class 10, Zinc Yellow-Chromate Plated, M8 x 1.25 mm Thread	<b>1</b> <b>Pack</b>	<b>1</b>
16	<b>90576A118</b> Medium-Strength Steel Nylon-Insert Locknut, Class 8, Zinc-Plated, M10 x 1.5 mm Thread	<b>1</b> <b>Pack</b>	<b>1</b>
17	<b>8893K19</b> Tight-Tolerance Multipurpose O1 Tool Steel Rod, 0.7500" Diameter, 6 Feet Long	<b>3</b> <b>Each</b>	<b>3</b>
18	<b>8485T13</b> Incandescent-Illuminated Magnifying Glass, 10x, 1-1/4" Long x 1-3/8" Wide Lens	<b>6</b> <b>Each</b>	<b>6</b>
19	<b>91343A100</b> 316 Stainless Steel Serrated Flange Locknut, Super-Corrosion-Resistant, 1/4"-20 Thread Size	<b>5</b> <b>Packs</b>	<b>5</b>
20	<b>12335A13</b> Water- & Weather-Resistant Rubber Push-on Seal with Bulb on Top, Hollow, for 3/64"-1/16" Edge, 10' Long	<b>10</b> <b>Feet</b>	<b>10</b>
21	<b>8695K712</b> Abrasion-Resistant Polyurethane Rubber Rod, 48" Long, 3/8" Diameter, 80A Durometer	<b>1</b> <b>Each</b>	<b>1</b>

## Expected to ship

2	<b>8547K893</b> Tube Made From PTFE, 1" OD X 1/2" ID	<b>60</b> <b>Feet</b>	<b>60</b> May 31-Jun 7
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# MATERIAL RECEIPT INSPECTION FORM

MATERIAL: MT-Brass-C360-R1.500

PO / BATCH NO.: 039484/5026584

DATE: MAY 30 2018

MATERIAL CERT REC'D: yes  
 QUANTITY RECEIVED: 12'  
 QUANTITY INSPECTED: 12'  
 QUANTITY REJECTED: 0

THICKNESS ORDERED: 1.500  
 THICKNESS RECEIVED: 1.500  
 SHEET SIZE ORDERED: N/A  
 SHEET SIZE RECEIVED: N/A

DESCRIPTION	NCR (Check Y/N)	COMMENTS
SURFACE DAMAGE	Y (N)	
CORRECT FINISH	(Y) N	
CORROSION	Y (N)	
CORRECT GRAIN DIRECTION	(Y) N	
CORRECT MATERIAL PER M-DRAWING	(Y) N	<u>Astm B16</u>
CORRECT THICKNESS	(Y) N	
PHOTO REQUIRED	Y (N)	
CORRECT REF # TO LINK CERT	(Y) N	<u>PO# 039484 Part# 2572163</u>
CORRECT MATERIAL IDENTIFICATION	(Y) N	
CORRECT M# ON THE MATERIAL	(Y) N	
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Y (N)	
DOES THIS REQUIRE AN EXTRUSION REPORT	Y (N)	

CUT SAMPLE PIECE OF MATERIAL AND PREFORM A HARDNESS CHECK. RECORD RESULTS BELOW					
	HRC	HRB	DUR A	DUR D	WEBSTER
TYPE OF MATERIAL					
SIZE OF TEST SAMPLE					
HARDNESS / DUROMETER READING					

testers located in the Quality Office

QC 18 INSPECTION	ENGINEERING SIGNOFF (if required)
INSPECTED BY: <u>DAS</u> <u>11</u> DATE: <u>9-30 MAY 30 2018</u>	SIGNED OFF BY: _____ DATE: _____

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

REV.	DESCRIPTION	ECN #	DATE	BY	APPROVED
A	NEW ISSUE	17-732	17.11.22	VM	VM

# SPECIFICATION CONTROL DRAWING

PURCHASE MATERIAL:

SPECIFICATION:

PART NUMBER:

EXAMPLE:

C360 BRASS  
ASTM B16  
MT-BRASS-C360-R-[D.DDD]

WHERE D.DDD IS DIAMETER IN INCHES

MT-BRASS-C360-R-0.250

TOLERANCES PER MANUFACTURER SPECIFICATIONS

 <b>DART AEROSPACE</b>	
<b>TITLE</b> BRASS C360 ROUND BAR	
<b>DESIGN BY:</b> VM 11/12/2017	<b>REV</b> A
<b>CHECKED BY:</b> VM 11/06/2017	<b>DATE</b> 11/06/2017
<b>APPROVED BY:</b> VM 11/12/2017	<b>DATE</b> 11/12/2017
<b>SCALE:</b> NTS WEIGHT: N/A LBS TENSILE PLAIN	
SHEET 1 OF 1	

# CERTIFICATE OF TEST

Customer COPHD BRASS SALES INC.  
Invoice No 63032  
P.O. No 54003

No 2018-03-20-040  
Date 03/20/18

MILL DAECI KOREA  
Country of Metling & SOUTHEA  
Manufacturing

Commodity FREE CUTTING BRASS C3600 H02 (HALF HARD) IN 12 FT L  
Spec PER ASTM B 16/15M REV 2010, B249, ROHS COMPLIANT

Job No.	18-04-	DESCRIPTION	Quantity	Temper	Remarks	B/D No.	Mat No.	Inspection Result		
LINE	Lot No.	SIZE	Pieces	Wt., Lbs				Dimension Surface		
0010	04404-1	11/16"(+/-0.002) DIA, ROUND	-	1,612 H02	-	1,2	CURD00248	GOOD		
0010	07030-1	11/16"(+/-0.002) DIA, ROUND	-	333 H02	-	3	CURD00248	GOOD		
0020	05748-1	3/4"(+/-0.002) DIA, ROUND	-	5,771 H02	-		CURD00117	GOOD		
0030	05749-1	13/16"(+/-0.002) DIA, ROUND	-	1,958 H02	-		CURD00545	GOOD		
0040	05750-1	7/8"(+/-0.002) DIA, ROUND	-	4,030 H02	-		CURD00345	GOOD		
0050	05751-1	1"(+/-0.002) DIA, ROUND	-	3,888 H02	-		CURD01097	GOOD		
0060	05752-1	1-1/8"(+/-0.0025) DIA, ROUND	-	1,936 H02	-		CURD01264	GOOD		
0070	05753-1	1-1/4"(+/-0.0025) DIA, ROUND	-	1,744 H02	-		CURD01128	GOOD		
0080	05754-1	1-5/16"(+/-0.0025) DIA, ROUND	-	3,965 H02	-		CURD00067	GOOD		
0090	05742-1	1-3/8"(+/-0.0025) DIA, ROUND	-	1,846 H02	-		CURD01295	GOOD		
0100	05743-1	1-1/2"(+/-0.0025) DIA, ROUND	-	3,764 H02	-		CURD00360	GOOD		
0110	05744-1	1-5/8"(+/-0.0025) DIA, ROUND	-	1,838 H02	-		CURD00811	GOOD		
0120	05745-1	1-3/4"(+/-0.0025) DIA, ROUND	-	1,704 H02	-		CURD00967	GOOD		
0130	05746-1	2"(+/-0.0025) DIA, ROUND	-	1,666 H02	-		CURD00983	GOOD		
0140	05747-1	2-1/8"(+/-0.003) DIA, ROUND	-	1,882 H02	-		CURD00122	GOOD		
Chemical/Physical Composition, %	Element	Cu	Pb	Fe	Zn	S/C	T.S., Ksi	Y.S., Ksi	EL (%)	HRB
0010	Spec	60.0-63.0	2.50-3.00	0.35 max	Rem.	GOOD	61	47	29.2	70.4
0010	07030-1	60.6587	2.6557	0.1390	Rem.	GOOD	59	48	28.9	68.9
0020	05748-1	60.1518	2.7264	0.1263	Rem.	GOOD	61	42	29.0	69.8
0030	05749-1	60.4490	2.6130	0.1618	Rem.	GOOD	59	45	30.1	69.5
0040	05750-1	60.4181	2.6498	0.1820	Rem.	GOOD	59	41	32.1	68.6
0050	05751-1	60.4181	2.6498	0.1820	Rem.	GOOD	56	41	30.0	67.9
0060	05752-1	60.3601	2.6920	0.1716	Rem.	GOOD	56	39	35.8	67.9
0070	05753-1	60.4498	2.6481	0.1816	Rem.	GOOD	54	39	36.6	66.7
0080	05754-1	60.4498	2.6481	0.1816	Rem.	GOOD	54	38	36.5	63.3
0090	05742-1	60.6576	2.6718	0.1765	Rem.	GOOD	56	34	39.0	62.4
0100	05743-1	60.3479	2.6787	0.1837	Rem.	GOOD	55	35	36.4	62.3
0110	05744-1	60.4785	2.6706	0.1452	Rem.	GOOD	55	31	41.8	56.3
0120	05745-1	60.4785	2.6706	0.1452	Rem.	GOOD	55	33	40.4	55.2
0130	05746-1	60.1615	2.7427	0.1472	Rem.	GOOD	52	30	44.4	58.0
0140	05747-1	60.1705	2.8195	0.1652	Rem.	GOOD	52	30	41.3	58.4

WE CERTIFY THAT ABOVE INFORMATION IS TRUE AND OUR MATERIAL MEETS THE ABOVE ASTM SPECIFICATIONS

MERCURY FREE

MERCURY FREE

WE CERTIFY THAT ABOVE INFTION IS TRUE AND OUR MATERIAL MEETS THE ABOVE ASTM SPECIFICATIONS.

Lloyds Pacific International, Inc.

SIGNED FOR DAE CHANG IND.



# CERTIFICATE OF TEST

Customer COPPER AND BRASS SALES INC.

Invoice No 630325K18

P.O. No 5400382598

Country of Melting & SOUTH KOREA  
Manufacturing

No 2018-03-20-040

Date 03/20/18

Commodity FREE CUTTING BRASS C3600 H02 (HALE HARD) IN 12 FT L  
Spec PER ASTM B 16/16M REV 2010, B249, ROHS COMPLIANT

Job No.	18-04-	DESCRIPTION	Quantity	Temper	Remarks	B/D No.	Mat No.	Inspection Result		
LINE	Lot No.	SIZE	Pieces	Wt. lbs				Dimension Surface		
0010	04404-1	11/16" (+/-0.002) DIA, ROUND		1,612	H02	-		GOOD		
0010	07030-1	11/16" (+/-0.002) DIA, ROUND		333	H02	-	1, 2	GOOD		
0020	05748-1	3/4" (+/-0.002) DIA, ROUND		5,771	H02	-	3	GOOD		
0030	05749-1	13/16" (+/-0.002) DIA, ROUND		1,958	H02	-		GOOD		
0040	05750-1	7/8" (+/-0.002) DIA, ROUND		4,030	H02	-		GOOD		
0050	05751-1	1" (+/-0.002) DIA, ROUND		3,888	H02	-		GOOD		
0060	05752-1	1-1/8" (+/-0.0025) DIA, ROUND		1,936	H02	-		GOOD		
0070	05753-1	1-1/4" (+/-0.0025) DIA, ROUND		1,744	H02	-		GOOD		
0080	05754-1	1-5/16" (+/-0.0025) DIA, ROUND		3,965	H02	-		GOOD		
0090	05742-1	1-3/8" (+/-0.0025) DIA, ROUND		1,846	H02	-		GOOD		
0100	05743-1	1-1/2" (+/-0.0025) DIA, ROUND		3,764	H02	-		GOOD		
0110	05744-1	1-5/8" (+/-0.0025) DIA, ROUND		1,838	H02	-		GOOD		
0120	05745-1	1-3/4" (+/-0.0025) DIA, ROUND		1,704	H02	-		GOOD		
0130	05746-1	2" (+/-0.0025) DIA, ROUND		1,666	H02	-		GOOD		
0140	05747-1	2-1/8" (+/-0.003) DIA, ROUND		1,882	H02	-		GOOD		
Chemical/Physical Composition, %	Element	Cu	Pb	Fe	Zn	S/C	T.S., Ksi	Y.S., Ksi	EL (%)	HRB
	Spec	60.0-63.0	2.50-3.00	0.35 max	-	Rem.	Ammonia Vapor	-	-	-
0010	04404-1	60.0920	2.8066	0.2078	-	Rem.	GOOD	61	47	29.2
0010	07030-1	60.6587	2.6557	0.1390	-	Rem.	GOOD	59	48	28.9
0020	05748-1	60.1518	2.7264	0.1263	-	Rem.	GOOD	61	42	29.0
0030	05749-1	60.4490	2.6130	0.1618	-	Rem.	GOOD	59	45	30.1
0040	05750-1	60.4181	2.6498	0.1820	-	Rem.	GOOD	59	41	32.1
0050	05751-1	60.4181	2.6498	0.1820	-	Rem.	GOOD	56	41	30.0
0060	05752-1	60.3601	2.6920	0.1716	-	Rem.	GOOD	56	39	35.8
0070	05753-1	60.4498	2.6481	0.1816	-	Rem.	GOOD	56	39	36.6
0080	05754-1	60.4498	2.6481	0.1816	-	Rem.	GOOD	54	38	36.5
0090	05742-1	60.6576	2.6718	0.1765	-	Rem.	GOOD	56	34	39.0
0100	05743-1	60.3479	2.6787	0.1837	-	Rem.	GOOD	55	35	36.4
0110	05744-1	60.4785	2.6706	0.1452	-	Rem.	GOOD	55	31	41.8
0120	05745-1	60.4785	2.6706	0.1452	-	Rem.	GOOD	55	33	40.4
0130	05746-1	60.1615	2.7427	0.1472	-	Rem.	GOOD	52	30	44.4
0140	05747-1	60.1705	2.8195	0.1652	-	Rem.	GOOD	52	30	41.3

MERCURY FREE

MERCURY FREE

WE CERTIFY THAT ABOVE INFORMATION IS TRUE AND OUR MATERIAL MEETS THE ABOVE ASTM SPECIFICATIONS.

*[Signature]*

SIGNED FOR DAE CHANG IND.

Lloyds Pacific International, Inc.